Ontario Ministry of Northern Development and Mines

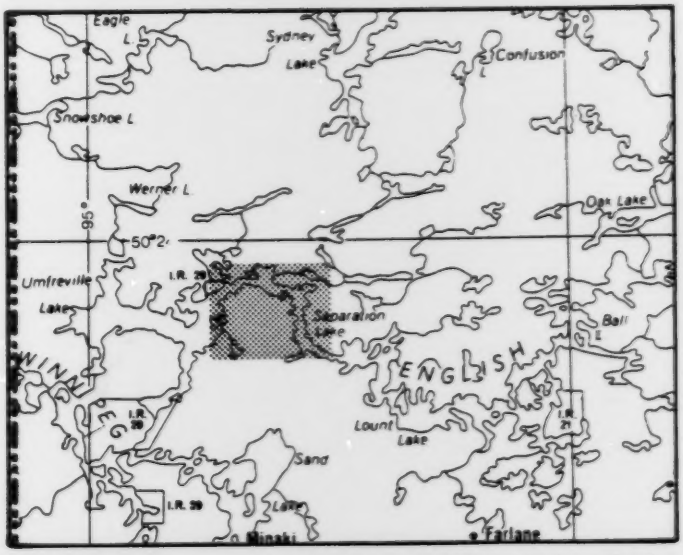
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 477

PATERSON LAKE AREA

Compiled by the Staff of
the Resident Geologist's Office
Kenora



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO Mineral Development Exploitation Minerale

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

90-00708/

NTS Number 52L/7SE

Mining Claim Map Number Paterson Lake Area, G-2634, (M-2531)

This project was funded under the Canada-Ontario Mineral Development Agreement (COMDA)

STATEMENT This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1989: Paterson Lake Area, Ontario Geological Survey, Geological Data Inventory Folio 477, compiled by the staff of the Resident Geologist's Office, Kenora; 24 pages ans 2 Maps.

Original Compilation by: A.K.J. Schottroff

Date	Page Revised	Revised by

Date	Page Revised	Revised by

Paterson Lake Area

TABLE OF CONTENTS

Data Sources Checklist	3
Metals and Minerals Reference List	4
Mineral Occurrences	5-6
Type of Work	7-9
Drill Hole Summary	10-12
Airborne Geophysical Survey Data	13
Geochemical Survey Data	14
Miscellaneous Data	15
Newspaper Clipping File	16
ODM General Index Search	17-18
Selected References	19-22
Notes and Addenda	23-24

ACCOMPANYING MAPS

Property Location Map 1 map

Exploration Data Map 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	AKJS MAY88
2	Assessment Files Research Office, Toronto		
3	ODM General Index; 7 volumes	YES	AKJS MAY88
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	AKJS MAY88
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	AKJS MAY88
6	ODM Industrial Mineral Reports	NO	AKJS MAY88
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	AKJS MAY88
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	AKJS MAY88
9	Newspaper Clippings File	NO	AKJS MAY88
10	GSC Index to Publications	YES	AKJS MAY88
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	AKJS MAY88
12	OGS Index Maps	YES	AKJS MAY88
13	Source Mineral Deposit Records (O.G.S.)	YES	AKJS MAY88
14	Author - Subject Articles File		
15	Miscellaneous Papers: ODM & OGS	YES	AKJS MAY88
16	ODM Geological Circulars: OGS Study Series	NO	AKJS MAY88
17	ODM Preliminary Reports: ODM Bulletins	YES	AKJS MAY88
18	CDM – OGS Open File Reports	NO	AKJS MAY88
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	AKJS MAY88
20	OGS Aggregate Resources Inventory Papers	YES	AKJS MAY88
21	OGS Mineral Potential Maps	YES	AKJS MAY88
22	Theses on File, Kenora	NO	AKJS MAY88
23	Aerial Photos on File, Kenora	NO	AKJS MAY88
24	OBM Maps on File, Kenora	YES	AKJS MAY88

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- ▲ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- ▲ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- ▲ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- △ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- ▲ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- ▲ gn. . . . . .Galena
- ▲ gt . . . . . .Garnet
- △ goe . . . . . .Goethite
- ▲ Au . . . . . Gold
- ▲ gf . . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . .Ilmenite
- △ Fe . . . . . .Iron
- ▲ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- ▲ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- ▲ mo . . . . . Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . .Platinum
- ▲ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- ▲ po . . . . . .Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- ▲ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- ▲ sp. . . . . .Sphalerite
- △ spd . . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- ▲ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- ▲ Zn . . . . . .Zinc
- △ zr. . . . . Zircon
- ▲urp. . . . . .Uranophane
- ▲bt. . . . . .Biotite
- ▲s. . . . . .Sulphides
- ▲fay. . . . . .Fayalite

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or mentioned within either Drillhole Summary or mineral Occurrences

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Alcock Fayalite Occurrence	fay			Assessment Files, Kenora 52L/7 SE; A-2
B	Alcock Sulphide Occurrence	po,py,sp,cp, gf,mag			Assessment Files, Kenora 52L/7 SE; A-2
C	Alcock 12272 Occurrence	po,cp,sp			Assessment Files, Kenora 52L/7 SE; A-2
D	Can-Fer Iron Formation - North Occurrence	IF			Assessment Files, Kenora 52L/7 SE; C-1, C-2, C-3
E	Can-Fer Iron Formation - South Occurrence	IF,po,py,mag			Assessment Files, Kenora 52L/7 SE; C-1, C-3
F	Can-Fer One Man Lake Uranium Occurrence	U,mag,po,py			Assessment Files, Kenora 52L/7 SE; C-1, C-2, C-3
G	Can-Fer Tourist Lake Uranium Occurrence	U,po,py,cp	MDIR K0419 SMDR 01126 NMI 52L/7SE	OGS 1983, MDC 25, p.79-80	Assessment Files, Kenora 52L/7 SE; C-4, C-5
H	Davidson - Kettle Falls Occurrence (Lower Kettle Falls Occurrence) (Pancer Claims)	U	MDIR K0338 MDIR K0332 SMDR 00299 NMI 52L/7 M01	ODM 1968, MRC 9, p.62 OGS 1983, MDC 25, p.77, 78	Assessment Files, Kenora 52L/7 SE; D-1 ODM 1930, Vol. 39, pt. 3, p.39
I	Gauthier Occurrence (One Man Lake Occurrence)	Au,Ag,Zn,asp, cp,py,sp,gn	MDIR K0272	OGS, 1969, MRC 12,p.191	Assessment Files, Kenora 52L/7 SE; A-1 ODM, 1948, PR 1948-6

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
J	Lower Kettle Falls Molybdenite Occurrence	mo,po,py	MDIR K0338 NMI 52L/7 M01		ODM, 1930, AR Vol.39, pt. 3, p.39 with Map 39g GSC-ODM 1962, Map 1188G ODM, 1968, Map P.366 ODM, 1975, Map P.1028
K	Noranda-Celwyn Lake East Occurrence	U,mo			Assessment Files, Kenora 52L/7 SE; F-3, F-4 Celwyn Lake is 1 mile NW of the main body of Tourist Lake
L	Noranda-Celwyn Lake North Occurrence	U,mo,mag,py po,gf			Assessment Files, Kenora 52L/7 SE; F-1, F-3
M	Sparton Treasure Showing	Au,Ag,Zn, asp,py			Assessment Files, Kenora 52L/7 SE; K-1
N	Unnamed Uranium Occurrence	U,py			ODM, 1975, Map P.1028 (Only reference)
O	Unnamed Uranium Occurrence	urp			ODM, 1975, Map P.1028 (Only reference)
P	Unnamed Beryl Occurence	be			ODM, 1975, Map p.1028 (Only reference)

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Alcock, C. 52 L/7 SE, A-1	47		47		47		47												
2	Alcock, C. 52 L/7 SE, A-2			48		48		48												
3	Canadian Nickel Co. Ltd. 52 L/7 SE, B-1				63															
4	Can-Fer Mines Ltd. 52 L/7 SE, C-1	69		68 69								69		69 70						
5	Can-Fer Mines Ltd. 52 L/7 SE, C-2			68 69 70																
6	Can-Fer Mines Ltd. 52 L/7 SE, C-3													69						
7	Can-Fer Mines Ltd. 52 L/7 SE, C-4				69															
8	Can-Fer Mines Ltd. 52 L/7 SE, C-5	70		69 70								70		70						
9	Consolidated Summit Mines Ltd. 52 L/7 SE, G-1							76												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	COMPANY/AUTHOR (file number)																			
10	Consolidated Summit Mines Ltd. 52 L/7 SE, G-2				76															
11	Consolidated Summit Mines Ltd. 52 L/7 SE, G-3				76															
11	Consolidated Summit Mines Ltd. 52 L/7 SE, G-4				77	76		77												
12	Davidson, P. 52 L/7 SE, D-1					55		54						55						
13	Davidson, P. 52 L/7 SE, D-2			68																
14	Davidson, P. 52 L/7 SE, D-3				70															
15	Koski, Jack S. 52 L/7 SE, I-1				77	- Duplicate of Consolidated Summit Mines Ltd. 52 L/7 SE, G-4														
16	Lesavage, Stephen James 52 L/7 SE, J-1							79 80				79								
17	Noranda Exploration Co. Ltd. 52 L/7 SE, F-1			75																

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	COMPANY/AUTHOR (file number)																			
18	Noranda Exploration Co. Ltd. 52 L/7 SE, F-2													76						
19	Noranda Exploration Co. Ltd. 52 L/7 SE, F-3	76										76		76						
20	Noranda Exploration Co. Ltd. 52 L/7 SE, F-4			76																
21	Noranda Exploration Co. Ltd. 52 L/7 SE, F-5								83											
22	Noront Resources Ltd. 52 L/8 SW, H-1	87																		
23	Sparton Resources Inc. 52 L/7 SE, K-1	85				85														
24	Tudale Exploration Ltd. 52 L/7 SE, E-1				70															

GDIF FORM NO. 7

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
1	Canadian Nickel Co. Ltd.	22/80	Jan/63	S	-55°	38	474	po,py	
2	Can-Fer Mines Ltd.	1	Sept/69	035°M	-45°	0	15		
	Can-Fer Mines Ltd.	2	Sept/69	350°M	-45°	0	10		
	Can-Fer Mines Ltd.	3	Oct/69	350°M	-45°	0	88	bt,py	
3	Consolidated Summit Mines Limited	76-1	Aug/76	333°T	-45°	2	136	bt	
	Consolidated Summit Mines Limited	76-2	Aug/76	333°T	-45°	2	102	bt,po	
	Consolidated Summit Mines Limited	76-3	Aug/76	333°T	-45°	5	113	bt	
	Consolidated Summit Mines Limited	76-4	Aug/76	333°T	-45°	5	111	bt	
	Consolidated Summit Mines Limited	76-5	Aug/76	333°T	-45°	8	202	bt	
	Consolidated Summit Mines Limited	76-6	Aug/76	153°T	-45°	22	301	bt	
4	Consolidated Summit Mines Limited	76-7	Nov/76, May/77	333°T	-45°	9	300	bt,po	
	Consolidated Summit Mines Limited	76-8	Nov/76	333°T	-45°	13	226	po	
	Consolidated Summit Mines Limited	76-9	Nov.76	333°T	-45°	17	244	po,cp	
5	Consolidated Summit Mines Limited	77-10	May/77	326°	-45°	14	305	po,bt	
6	Consolidated Summit Mines Limited	77-11	May/77	326°	-55°	22	163	bt	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
7	Consolidated Summit Mines Limited	77-12	May/77	326°	-55°	12	145	bt	
8	Consolidates Summit Mines Limited	77-13	May/77	326°	-45°	30	227		
9	Consolidated Summit Mines Limited	77-14	June/77	326°	-45°	16	134	bt,gt	
10	Davidson, P.	DDA-1	Feb-Mar/70	S	-33°	5	594	s,gt	
	Davidson, P.	DDA-2	Feb-Mar/70	N	-33°	6	231		
	Davidson, P.	DDA-3	Feb-Mar/70	N	-68°	3	260		
11	Tudale Exploration Ltd.	DDH A4	Feb-Aug/70	N	-35°	4	252	bt	
12	Tudale Exploration Ltd.	DDH A5	Feb-Aug/70	N	-45°	5	313	bt	
13	Tudale Exploration Ltd.	DDH A6	Feb-Aug/70	N	-45°	0	337.5	bt	
14	Tudale Exploration Ltd.	DDH M1	Feb-Aug/70	SW	-45°	3.5	223	py,po,gf,bt,gt	
15	Tudale Exploration Ltd.	DDH N1	Feb-Aug/70	S	-45°	10	255	gf,po,py	
16	Tudale Exploration Ltd.	DDH N2	Feb-Aug/70	N	-45°	15	276	py,po,ep,gt	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
17	Tudale Exploration Ltd.	DDH N3	Feb-Aug/ 70	N	-45°	9	268.5	po,py	

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
21	By: Questor Surveys Ltd. For: Noranda Exploration Co. Ltd. (See Kenora Assessment Files 52L/7 SE, F-5)	Total Magnetic Intensity Survey	N/A	NNW/SSE	250 m

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
	No surveys on file as of May 26, 1988			

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

No age dating on file as of May 26, 1988

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

No clippings on file pertaining the Paterson Lake Area as of May 26, 1988

ODM GENERAL INDEX SEARCH

Words searched Alcock, Cecil; Byberg, Harry; Bynski, James; Canadian Nickel Co. Ltd.; Can-Fer Mines Ltd.; Celwyn Lake; Consolidated Summit Mines Ltd.; Davidson, P.; English River; Gauthier, Albert; K-12146-148; Kettle Falls; Koski, Jack S.; Lesavage, Stephen James; Noranda Exploration Co. Ltd.; Noront Limited; Oneman Lake, Pancer Claims; Paterson Lake; Sparton Resources Ltd.; Tourist Lake; Tudale Exploration Ltd.; Umfreville Lake; Uranium

Index Volume	Listing:	Report Volume	Part	Page
3	Oneman Lake, English River			
	Rocks	39	3	28-31, 33,36
	see also map 39g	39	3	with
3	Umfreville Lake, English River			
	Rocks	39	3	33,35
	see also map 39g	39	3	with
6	Can-Fer Mines Ltd., Incorporated	65	1	32
7	Can-Fer Mines Ltd.			
	Capital; officers; operations:			
	1960	70		71,72
	1961	71		77
	1962	72		76
8	Oneman Lake Property			
	Umfreville-Separation L. area, Kenora Pat. Dist. mining property, report on	MP 033		45
8	Tudale Mines Ltd.			
	Umfreville-Separation L. area, Kenora Pat. Dist. mining property, report on	MP 046		28
8	Uranium: Separation L. area, Kenora Pat. Dist.	MP 46		28
9	Davidson Lake Occurrence			
	Umfreville L. area, Kenora Pat. Dist. report on property	MP 78		6
9	Davidson Occurrence			
	Umfreville L. area, Kenora Pat. Dist.	MP 64		5,6
		MP 71		6
9	English River Metased/Vol Belt			
	Geology of the area			
	Report & Map P.1971 on, 1978	MP 72		
	Uranium	MP 72		46-47

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Oneman Lake Occurrence Umfreville L. area, Kenora Pat. Dist. report on property	MP 78		6
9	Pancer Occurrence Umfreville L. area, Kenora Pat. Dist. report on property	MP 71 MP 78		6 6
9	Tourist Lake Occurrence Umfreville L. area, Kenora Pat. Dist.	MP 78		6
9	Tudale Exploration Ltd. Occurrence Umfreville L. area, Kenora Pat. Dist.	MP 64		5,6
9	Uranium: English River Belt, N. Ontario	MP 72		46-47

GDIF FORM NO. 8

Paterson Lake Area

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL COMPILATION MAPS		
Ayres, L.D., Lumbers, S.B., Milne, V.G., Robeson, D.W.	1970	Ontario Geological Map, West Central Sheet	ODM Map 2199	1" to 16 miles
Beakhouse, G.P.	1980	Geology, Winnipeg River-English River Area, Manitoba and Ontario, map and notes	GSC Open File 652	1:125,000
Breaks, F.W., Bond, W.D., McWilliams, G.H., Gower, C.F., Stone, D.	1975	Operation Kenora-Sydney Lake, Umfreville-Separation Lakes Sheet, District of Kenora	ODM Map P.1028	1" to 1 mile (1:63,360)
Davies, J.C., Pryslak, A.P.	1966	Lower English River Sheet, District of Kenora Geological Compilation Series	ODM Map P.366	1" to 2 miles (1:126,720)
Ferguson, S.A., Brown, D.D. Davies, J.C., Pryslak, A.P.	1968	Red Lake-Birch Lake Sheet, Geological Compilation Series	ODM Map 2175	1" to 4 miles (1:253,440)
Tanton, T.L.	1939	Canada Dept. of Mines and Resources, Kenora Sheet, Ontario	Map 266A	1" to 8 miles (1:506,880)
Thurston, P.C., Barlett, J.R.	1981	Lower English River Sheet, Patricia Kenora District, (revision of Map P.366)	OGS Map P.2394	1" to 2 miles (1:126,720)
		GEOPHYSICAL MAPS		
Dept. of M & NR, Manitoba, Dept. of EMR, GSC and ODM	1965	Pointe du Bois Manitoba-Ontario Airborne Magnetic Survey, Aeromagnetic Series (with Geophysics Paper 7124)	Map 7124G	1:250,000
Dept. of MR & E, Manitoba, MNR Ontario and EMR, GSC	1977	Federal-Provincial Uranium Reconnaissance Program Airborne Gamma-Ray Spectrography Pointe du Bois Area	36252G-1-6	1:250,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS		
Geo-Analysis (1981) Ltd.	1981	The Identification of Structural Linears from Landsat Imagery in Northwestern Ontario. Energy, Mines and Resources Canada, Earth Physics Branch, Seismological Service of Canada	OF 82-12, Map 1	1:250,000
Gravity & Geodynamics Division	1981	Gravity Map of Canada, 1980, Lake of the Woods, Earth Physics Branch, Energy, Mines and Resources Canada	Map No. 48090	1:1,000,000
G.S.C.	1984	Radioactivity Map, Lake of the Woods - Contour Maps: Ur(TC), eU, eTh, %K, eU/eTh, eU/K, eTh/K	OF 1067, Map 36252G	1:1,000,000
ODM & GSC	1961	Aeromagnetic Series, Umfreville Lake, Kenora District Ontario	Map 1189G	1" to 1 mile (1:63,360)
ODM & GSC	1965	1961 Aeromagnetic Survey Composite Map	P. 279	1" to 16 miles (1:1,013,760)
OGS-GSC	1977	Uranium Reconnaissance Program Airborne Gamma-Ray Spectrometer Survey - Contour Maps - TC, K, eU, eTh, eU/eTh, eU/K, eTh/K - Flight Line Profiles	P.1320-1354	1:250,000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Jenkins, G.C., Hoffman, D. W., Smith, R.E., Zoltai, S.C.	1975	Canada Land Inventory, Soil Capacity for Agriculture, Pointe du Bois Sheet	No. En 64/2-52L	1:250,000
Neilson, J.M.	1981	Northern Ontario Engineering Geology Terrain Study, Data Base Map, Umfreville Lake (Not Released)	OGS Map 5106	1:100,000
Zoltai, S.C.	1965	Kenora-Rainy River Surficial Geology	ODL & F Map S165	1" to 8 miles (1:506,880)

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Robertson, J.A.	1982	Uranium and Thorium Deposits of Ontario, West Central Sheet, Mineral Deposits Series	OGS Map P.2427	1" to 16 miles (1:1,013,760)
Springer, Janet	1978	Ontario Mineral Potential, Pointe du Bois Sheet, District of Kenora, Mineral Deposits Series	OGS Map P.1539	1:250,000
		GEOLOGICAL REPORTS AND MAPS		
Beard, R.C., Scott, W.R.	1976	1975 Report of the Northwest Regional Geologist and Kenora Resident Geologist	OGS MP 64	p. 5-6
Bell, R.	1873	Report on the Country Between Lake Superior and Lake Winnipeg	GSC Report of Progress, 1872-1873, pt.5	
Breaks, F.W., Bond, W.D., Stone, D.	1978	Preliminary Geological Synthesis of the English River Subprovince, Northwestern Ontario, and Its Bearing Upon Mineral Exploration	OGS MP 72 with Map P.1971	55 pp 1" to 4 miles (1:253,440)
Derry, D.R.	1930	Minaki to Sydney Lake	ODM Vol. 39, pt.3 Map 39G	p. 24-41 1" to 3 miles (1:190,080)
Mulligan, R.	1968	Geology of Canadian Beryllium Deposits	GSC Economic Geology Report 23	p.76
Robertson, J.A., Gould, K.L.	1983	Uranium and Thorium Deposits of Northern Ontario	OGS MDC 25	p. 75-80
Selwyn, A.R.C.	1873	Notes on a Preliminary Geological Reconnaissance from Lake Superior by the English and Winnipeg Rivers to Fort Garry	GSC Report of Progress, 1872-1873, pt.2	

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Stockwell, C.H. (in Wright, J.F.)	1932	Geology and Mineral Deposits of a Part of South-eastern Manitoba	GSC Memoir 169	p. 127
Thomson, R.	1948	Showings in the Vicinity of Oneman Lake, Kenora	ODM PR 1948-06	
Vos, M.A., Abolins, T., McKnight, R.L.W., Smith, V.	1987	Industrial Minerals of Northern Ontario	OGS MDC 26	p. 192

GDIF FORM NO.9

NOTES AND ADDENDA

AERIAL PHOTOGRAPHY INDEX

(compiled from index maps only)

Scale 1" to 1/4 mile

	Roll Number	Photo Number
1983	83-4	23-26
	83-4	29-32
	83-4	158-170
	83-5	23-35
	83-6	23-34
	83-6	103-115
	83-27	238-249
	83-28	45-54
	83-28	55-59
	83-28	63-74
	83-56	14-24
1976	76-7	1,2
	76-7	93,94
	76-8	1,2
	76-8	81,82
	76-27	141,142
	76-29	182,183

Scale 1" to 1 mile

	Flight Line	Photo Number
1953	A 13788	106-109

TOPOGRAPHIC MAPS

1976, Surveys and Mapping Branch,
Department of EMR, Ottawa
Umfreville Lake, 52L/7 — 1: 50,000*

1984, Surveys and Mapping Branch,
MNR, Toronto
Provincial Series, Umfreville Lake
52L/SE and Part of 52L/SW — 1:100,000*

1978, Surveys and Mapping Branch
Department of EMR, Ottawa
Pointe du Bois — 1:250,000*

* Published maps currently on file in Resident Geologist's Office, Kenora

MINERAL DEPOSITS FILE

Note: A deposits file is maintained at the Kenora Resident Geologist's Office, which contains the published data on the following mineral deposits.

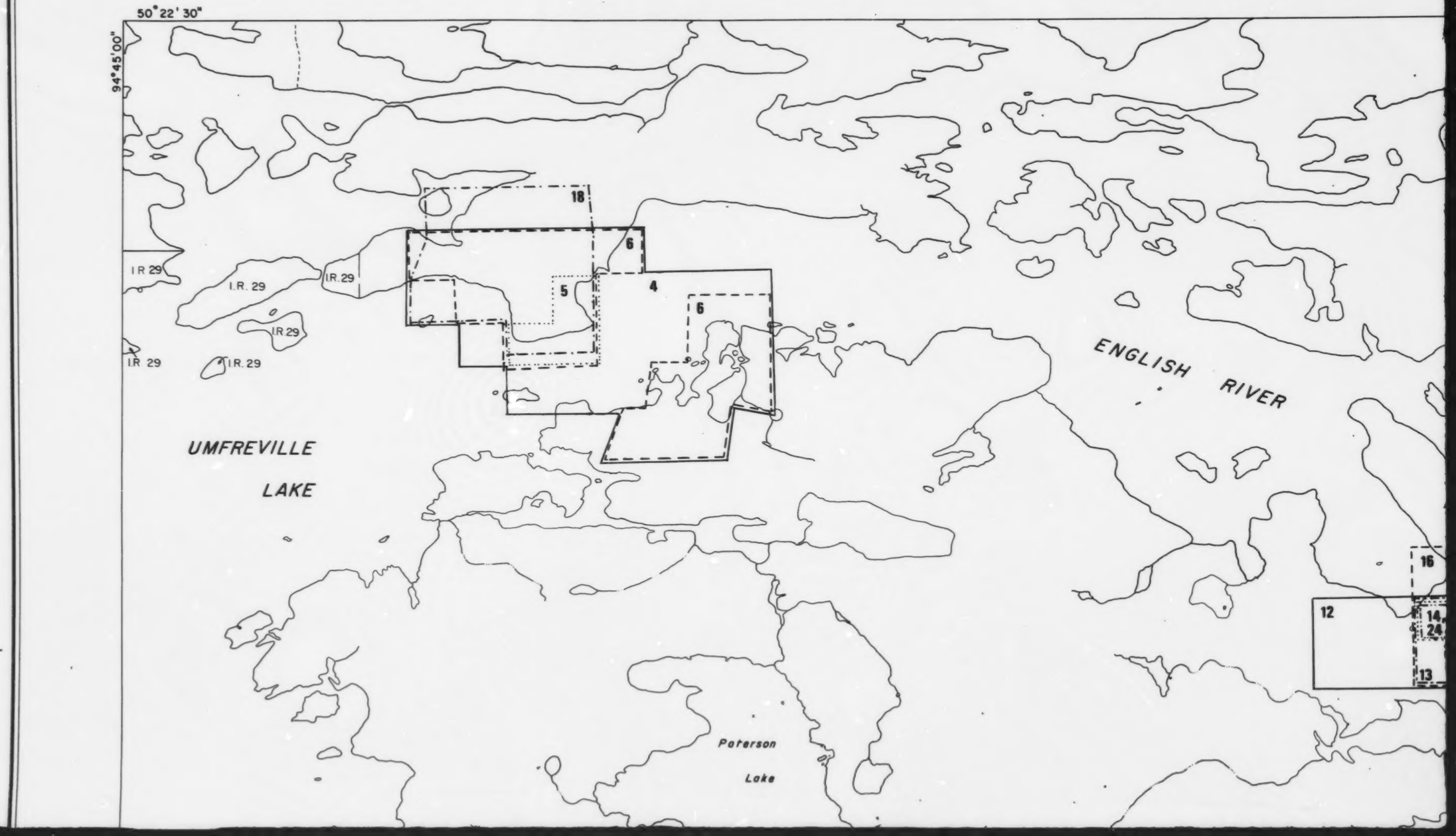
NOTES AND ADDENDA

Mineral Deposits File - Continued

1. Can-Fer
2. English River
3. Lower Kettle Falls
4. Oneman Lake Occurrence
5. Pancer
6. Tourist Lake
7. Tudale Mines Limited

Note A: The present Umfreville Lake used to be Umfreville Lake (West part) and Oneman Lake (East part) prior to the building of the Caribou Falls dam (circa 1960). This raised the water level, flooded a great deal of area and made the two lakes into one.

Note B: Oneman Lake previously called Lone Man's Lake.


50°22'30"
94°45'00"
I.R. 29
I.R. 29
I.R. 29
I.R. 29
I.R. 29
I.R. 29
18
6
5
4
6
UMFREVILLE
LAKE
ENGLISH RIVER
16
12
14
24
13
Peterson
Lake

50°22'30"

94°30'00"

ENGLISH RIVER

16

13

12

14,
24

13

24

Ministry of
Northern Dev
and Mines

Ontario

ONTARIO GEOLOG

PROPERTY LO

GEOLOGICAL DATA INV

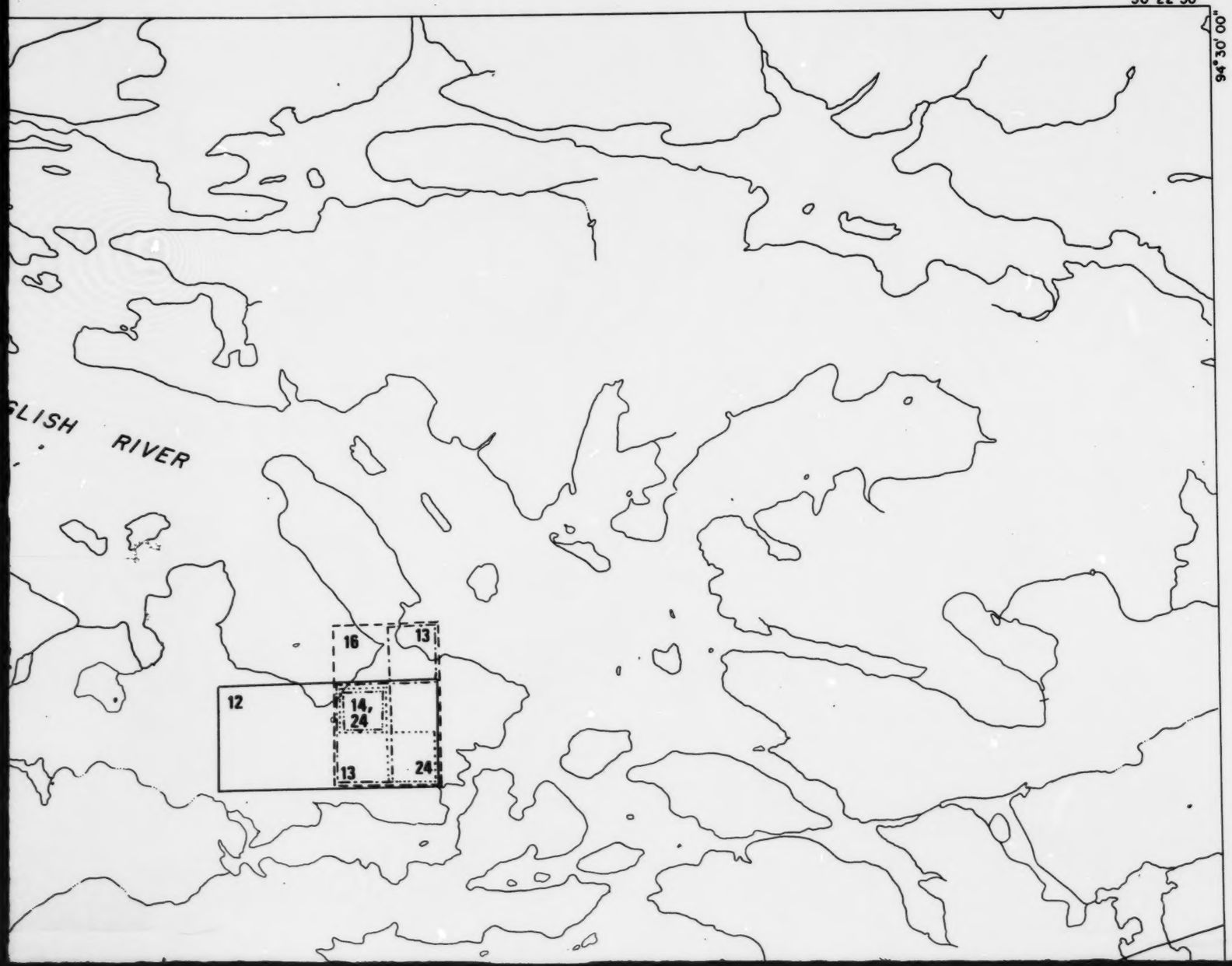
(Map 1

PATERSON L

Scale 1:3

Kilometre 0.5 0

Mile 0.5 0



Ministry of Northern Development and Mines

Ontario

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 477

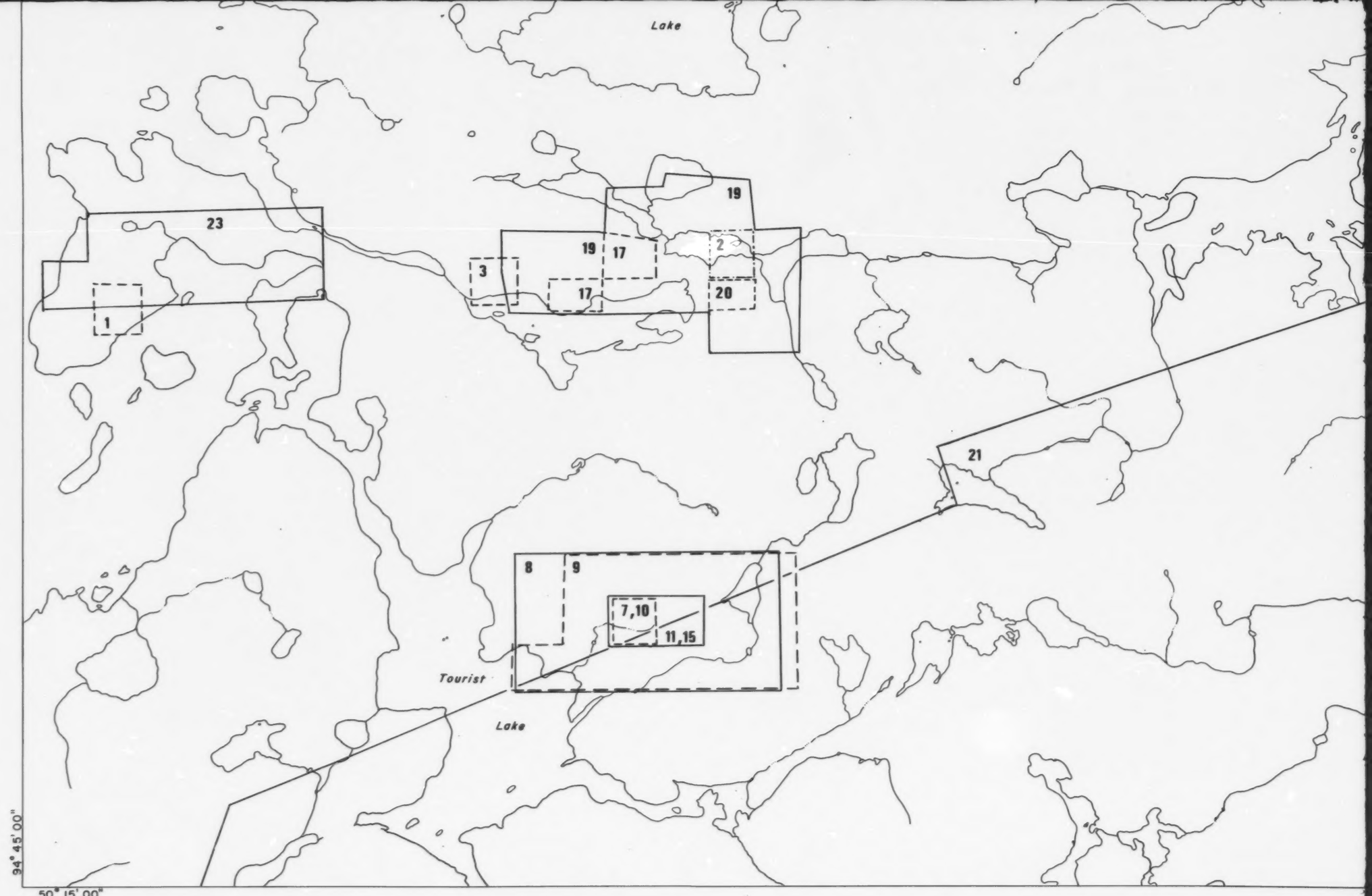
(Map 1 of 2)

PATERSON LAKE AREA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile


Lake
23
1
19
19
17
3
17
2
20
21
8
9
7,10
11,15
Tourist
Lake
94° 45' 00"
50° 15' 00"

19

17

2

20

21

22

7,10

11,15

ENGLISH

RIVER

94° 30' 00"

50° 15' 00"

EXPLO

Referen
See listi

Small a

File cov

EXPLORATION DATA FILE AREAS

- ■ ① ⑥ — Reference number is always inside work area outlined. See listing in text pages.
- □ x ④ — Small area of exploration
- □ ★ — File covers whole township or area

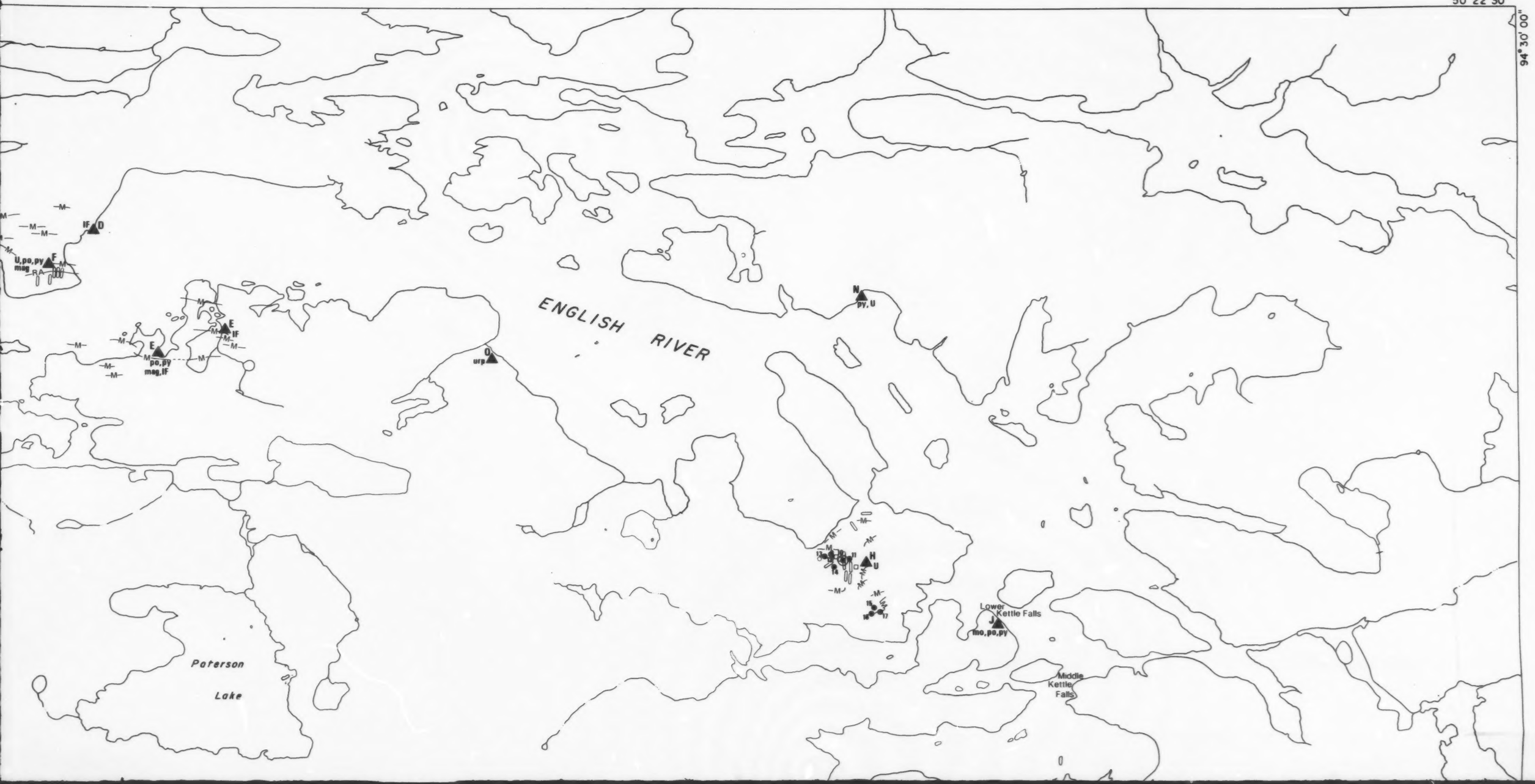
TYPES OF DATA SHOWN ON THIS MAP

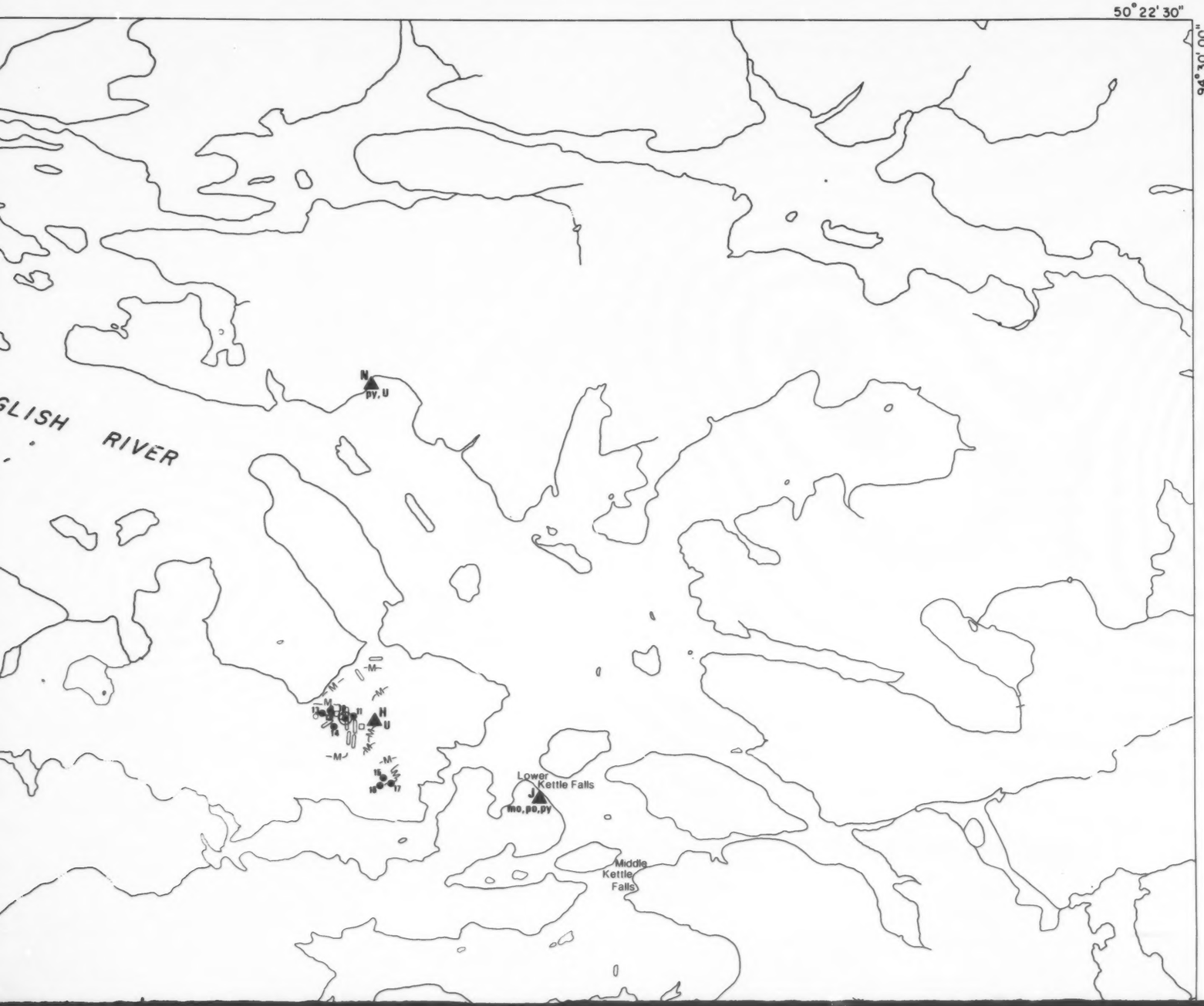
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ Geochemical sample site, with reference number
- ☐ ◆³ Area of geochemical sampling, with reference number
- ☐ ✳² Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ■ AM Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ ARA Airborne radiometric anomaly
- ■ M Ground magnetic anomaly
- ☐ VL Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop VLF - Very low freq.; Turam; JEM - Crone Em - 16)
- ■ RA Ground radiometric anomaly
- ☐ IP Induced polarization anomaly


50°22'30"
94°30'00"
ENGLISH RIVER
Paterson
Lake
Lower
Kettle Falls
Middle
Kettle
Falls
IF
D
U,po,py
mag
F
E
IF
E
po,py
mag,IF
Q
urp
N
py, U
H
U
J
mo,po,py



Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 477

(Map 2 of 2)

PATERSON LAKE AREA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

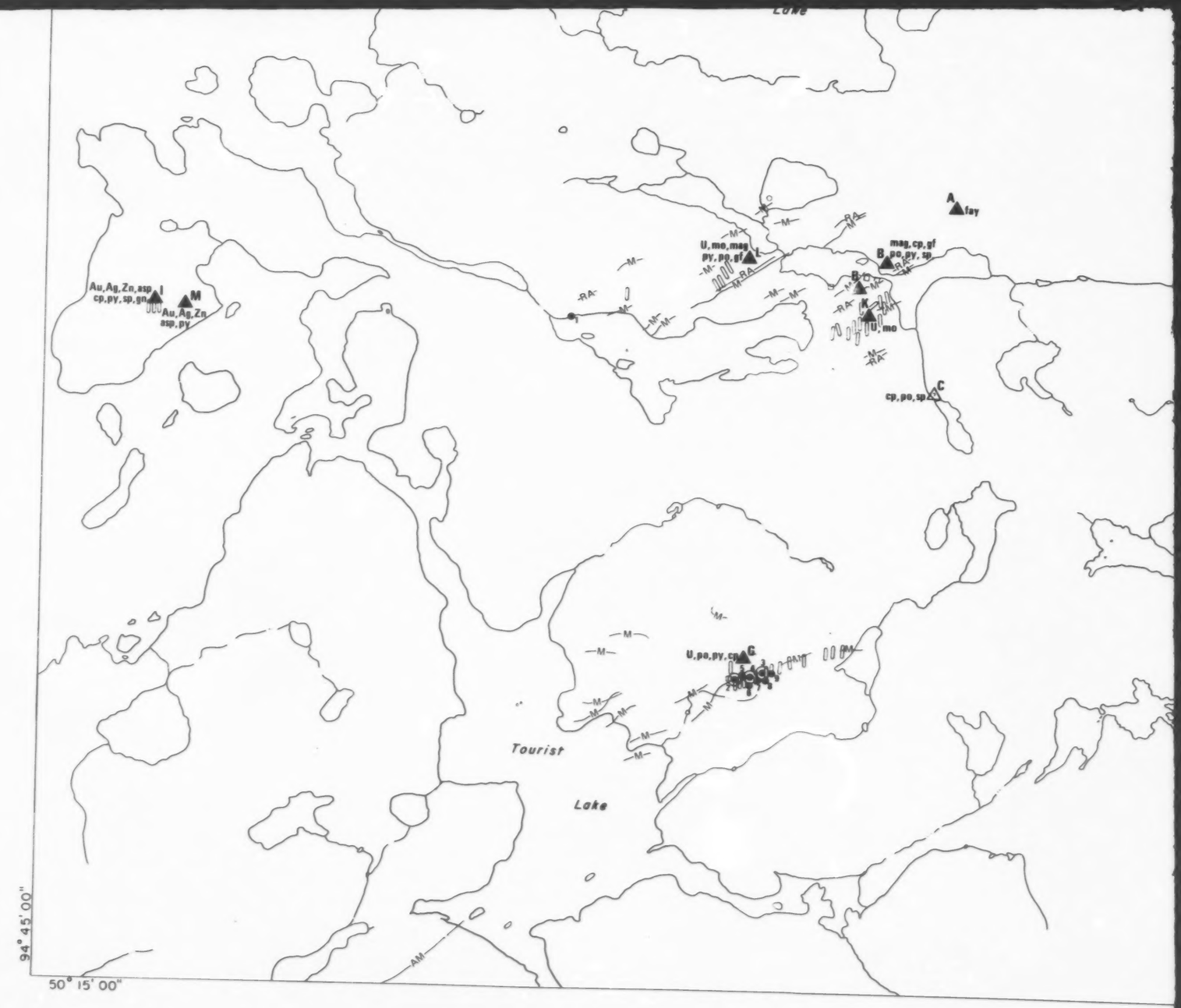
- cp A. — Mineral occurrence at surface, with reference letter
- Au A. — Mineral occurrence with shaft, depth given with reference letter

- [■] RA — Ground radiometric anomaly
- [ ] IP — Induced polarization anomaly
- [ ] SP — Self potential anomaly
- [ ] AFMAG — Audio-frequency magnetic anomaly (total intensity)
- [ ] R — Resistivity anomaly
- [ ] GR — Gravity anomaly

MISCELLANEOUS DATA

- [■] Trenching, pit
- [ ] Adit
- [ ] Open pit
- [ ] Rock quarry
- [ ] Sand and/or gravel pit
- [ ]

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



A fay

U, mo, mag
py, po, gf
L

mag, cp, gf
B po, py, sp

K

U, mo

cp, po, sp C

U, po, py, cp G

Upper
Kettle
Falls

ENGLISH

RIVER

Tourist

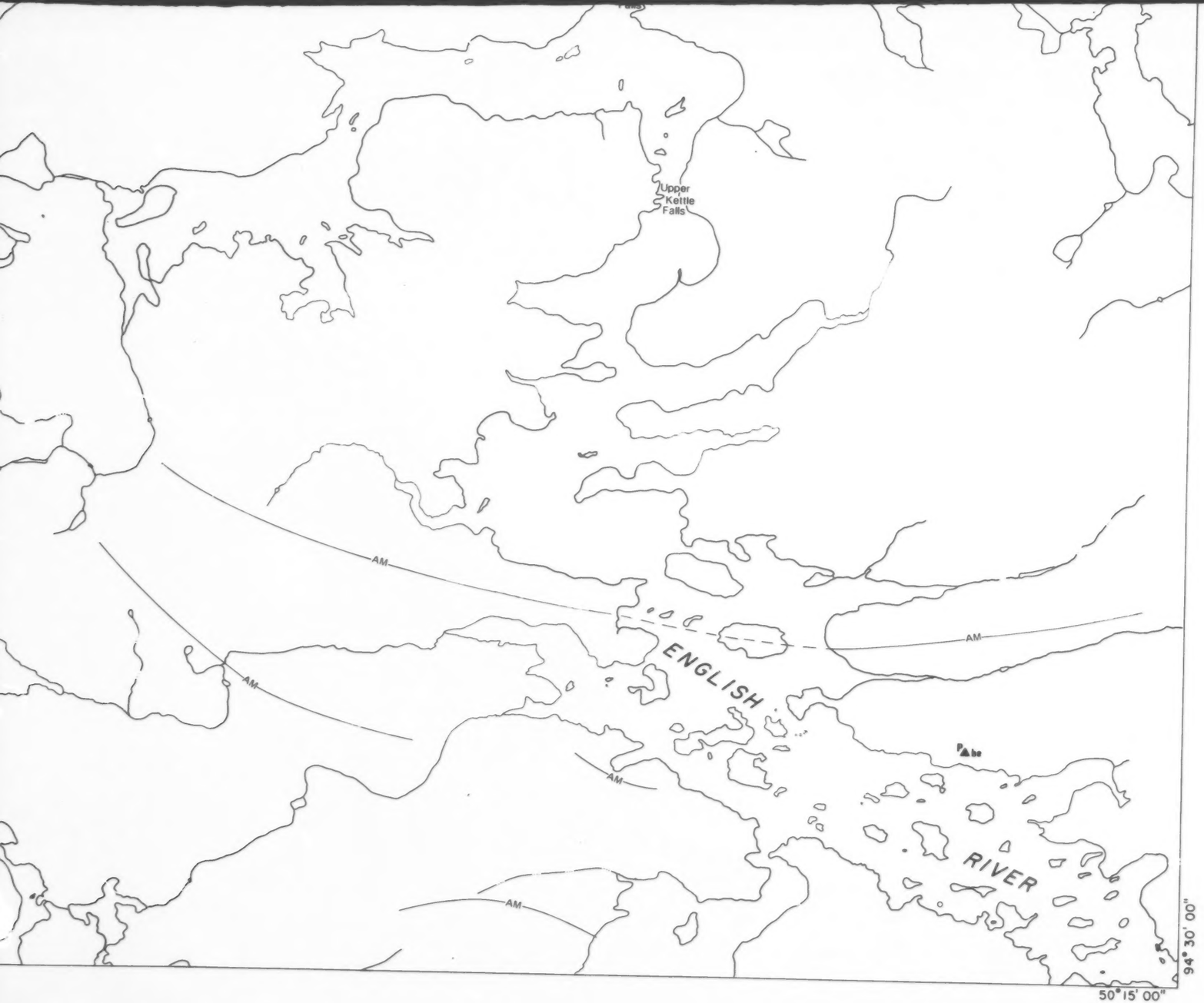
Lake

AM

M

RA

50°15'00



TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp A. — Mineral occurrence at surface, with reference letter
- □ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- □ Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp A. — Mineralized float with reference letter
- □ A. — Mineral occurrence in drillhole, with reference ietter, and drillhole number

DRILLHOLES

- ■ ●² — Location of single drillhole, with reference number
- ■ ◉² — Location of closely spaced group of drillholes, with reference number
- □ (?)² — Drillhole, exact location uncertain, with reference number
- □ ◡ — Property with underground drillholes in this general area, with reference number
- □ ○² — Property with drillholes which have not been plotted on map, with reference number
- □ ⊕² — Reverse circulation drillhole; churn drilling, with reference number